

Case No.: 58581US002

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named Inventor:

EBERMAN, KEVIN W.

**Application No.:** 

10/723511

Group Art Unit:

Filed:

November 26, 2003

Examiner:

Unknown

Title:

SOLID STATE SYNTHESIS OF LITHIUM ION BATTERY CATHODE

MATERIAL

## **INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450 **CERTIFICATE OF MAILING** 

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: Commissioner for Patents,

P.O. Box 1450, Alexandria, VA 22313

MAY 2 4 2004 Date

Dear Sir:

Pursuant to 37 CFR §§ 1.56, 1.97, and 1.98, enclosed is a completed Form PTO-1449, citing references submitted for consideration by the Examiner. Copies of any cited foreign patents, non-patent literature, and unpublished US application documents are enclosed. Pursuant to the waiver in the Pre-OG Notice, dated July 11, 2003, copies of US patents and published US patent applications are no longer required and are not enclosed. It is respectfully requested that the Examiner initial and return the enclosed Form PTO-1449 to indicate that each reference has been considered.

It is believed that no fee is due; however, in the event a fee is required, please charge the fee to Deposit Account No. 13-3723.

Respectfully submitted,

(k651) 733-1189

Office of Intellectual Property Counsel 3M Innovative Properties Company Facsimile No.: 651-736-3833

Substitute for form 1449A/PTO (modified)

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Attorney Case Number	58581US002	

	१ मध्य		U.S. Patent	Documents	
Exam. Init.*	Cite No.	Document Number  Doc. Number-(Kind Code if Known)	Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	A1	US- 5393622	02/28/1995	Nitta et al.	
	A2	US- 5783333	07/21/1998	Mayer	***
	А3	US- 5795558	08/18/1998	Aoki et al.	
	A4	US- 5858324	01/12/1999	Dahn et al.	
	A5	US- 5879654	03/09/1999	Van Ghemen et al.	
	A6	US- 6007947	12/28/1999	Mayer	
	A7	US- 6040089	03/21/2000	Manev et al.	
	A8	US- 6040090	03/21/2000	Sunagawa et al.	
	A9	US- 6045771	04/04/2000	Matsubara et al.	
	A10	US- 6168887	01/02/2001	Dahn et al.	
	A11	US- 6203944	03/20/2001	Turner et al.	
	A12	US- 6277521	08/21/2001	Gao et al.	
	A13	US- 6284827	09/04/2001	Eckhardt et al.	
	A14	US- 6333128	12/25/2001	Sunagawa et al.	
	A15	US- 6361756	03/26/2002	Gao et al.	
	A16	US- 6579475	06/17/2003	Gao et al.	
	A17	US- 6582852	06/24/2003	Gao et al.	
	A18	US- 6589499	07/08/2003	Gao et al.	
	A19	US- 2002/0006550	01/17/2002	Yang et al.	
	A20	US- 2002/0015887	02/07/2002	Gao et al.	
	A21	US- 2002/0018746	02/14/2002	Gao et al.	
	A22	US- 2002/0119373	08/29/2002	Gao et al.	
	A23	US- 2002/0127175	09/12/2002	Gao et al.	
	A24	US- 2003/0022063	01/30/2003	Paulsen et al.	
	A25	US- 2003/0027048	02/06/2003	Lu et al.	
	A26	US- 2003/0031931	02/13/2003	Obrovac et al.	
	A27	US- 2003/0035999	02/20/2003	Gao et al.	

*Examiner:	Date Considered:
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	Foreign Patent Documents						
Exam.	Cite	Foreign Patent Document		Publication Date	Name of Patentee or	Pages, Columns, Lines, Where Relevant Passages	Translation
Init.*	No.	Ctry. Code	Number-KindCode (If known)	MM-DD-YYYY	Applicant of Cited Document	or Relevant Figures Appear	(Check if yes)
	B1	EP	0 782 206 A1	07/02/1997			
	B2	EP	0 782 206 B1	07/02/1997			
	В3	EP	0 813 256 B1	12/17/1997			
	B4	EP	0 918 041 A1	05/26/1999			
	B5	EP	0 944 125 A1	09/22/1999			
	В6	JP	08-273665	10/18/1996			X
•	В7	JP	1999195416	07/21/1999			X
	B8	JP	2000-336109	12/05/2000			X
/	В9	JP	2002-260655	09/13/2002			X
/	B10	JP	2002-338246	11/27/2002			X
	B11	PCT	WO 97/26683	07/24/1997			
	B12	PCT	WO 02/089234	11/07/2002			

	OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS				
		Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			
	C1	Kosova et al., Soft Mechanochemical Synthesis Preparation of Cathode Materials for Rechargeable Lithium Batteries", <u>Elsevier</u> , <u>Paris Mechanochemical Synthesis of Battery Materials</u> , Ann. Chim. Sci. Mat., 27 (6), pp. 77-90 (2002).			
	C2	Numata et al., "Synethesis and Characterization of layer structured solid solutions in the System Of LiCoO2-Li2MnO3", Solid State Ionics, 117, pp. 257-263 (1999).			
	СЗ	Numata et al., "Preparation and electrochemical Properties of layered Lithium-Cobalt-Manganese Oxides", Solid State Ionics, 118, pp. 117-120 (1999).			

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